AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF THE CLAIMS:

1. (Currently amended) A method ~~executed by a processor~~ for ~~enabling~~ providing personalized user context-aware ~~notification~~ operation in a mobile device, comprising:

gathering, by the mobile device, ~~a user's~~ physical context information from one or more sources, ~~wherein the user's physical context information includes current environment information for the user~~ including receiving output signals from an orientation sensor of the mobile device;

gathering, by the mobile device, user-specific location or schedule information from one or more sources, wherein the user-specific location includes at least a current location of the mobile device, ~~a user;~~

~~gathering schedule information from one or more sources, wherein~~ and the user-specific schedule information includes a current activity of a user of the mobile device;

~~combining~~ processing the ~~user's~~ physical context information and the user-specific location ~~and the~~or schedule information, including processing the output signal of the orientation sensor to determine an orientation of the mobile device ~~to derive user context information~~; and

~~combining user defined preferences, if they exist, together with the derived user context information; and~~

~~directing~~ modifying, by the mobile device, ~~to modify~~ its behavior based at least in part on ~~the personalized~~a results ~~specific to the user, the personalized results based on the combining of the derived user context information~~ of the determination, and ~~the user~~ defined preferences of the user, ~~if they exist~~.

2. (Currently amended) The method according to Claim 1 wherein ~~the~~ modifying behavior includes one of disabling the mobile device from rendering notification, lowering audio output volume of the mobile device ~~notification~~, raising ~~the~~ audio output volume of the mobile device ~~notification~~, entering the mobile device into a silent mode to disable audio output, entering the mobile device into a vibrate-only mode to restrict the mobile device to tactile output only, emitting a beep from the mobile device to provide an audio output, causing a display screen on the mobile device to flash to provide a visual output, or~~and~~ causing a light emitting diode ~~("LED")~~ on the mobile device to blink to provide a visual output.

3. (Canceled).

4. (Currently amended) The method according to Claim 1 wherein gathering, by the mobile device, ~~the user's~~ physical context information includes ~~gathering at least one of ambient~~ receiving, by the mobile device, output signals from a light ~~information~~sensor of the mobile device, ~~tactile information, ambient noise information,~~ or output signals from an accelerometer ~~information and orientation information~~s of the mobile device, and wherein processing the physical context information includes processing the output signals from the light sensor to determine whether the mobile device is in a closed space, or processing the output signals from the accelerometer to determine whether the mobile device is in motion.

5. (Currently amended) The method according to Claim 1 wherein gathering, by the mobile device, user-specific location information ~~further~~ includes gathering, by the mobile device, at least one of a time of day and a date.

6. (Currently amended) The method according to Claim 1 wherein gathering, by the mobile device, ~~the user's~~ physical context information includes ~~gathering~~ receiving, by the mobile device, ~~the user context information from at least one of a light sensor,~~ output signals from a tactile sensor of the mobile device, ~~an ambient noise microphone,~~

~~an accelerometer and an orientation sensor~~, and wherein processing the physical context information includes processing the output signals from tactile sensor to determine whether the mobile device is in contact with another object or surface .

7. (Currently amended) The method according to Claim 5 wherein gathering, by the mobile device, user-specific schedule information, includes gathering, by the mobile device, schedule information from ~~at least one of~~ a user calendar program ~~and the mobile device~~.

8. (Canceled)

9. (Currently amended) The method according to Claim 1 wherein the ~~user~~ defined preferences of the user ~~if they exist~~ include at least one of a default set of preferences, a customized set of preferences and a learned set of preferences.

10. (Currently amended) A ~~personalized user context aware processing~~ mobile apparatus, comprising:

an orientation sensor; and

at least one processing module operatively coupled with the orientation sensor, and configured to~~capable of~~

gather~~ing user~~ physical context information of the mobile apparatus, including receipt of output signals from the orientation sensor ~~wherein the user's physical context information includes current environment information for the user~~,

gather~~ing~~ user-specific location or schedule information from one or more sources wherein the user-specific location information includes at least a current location of ~~a user~~the mobile apparatus, and ;

~~gathering schedule information from one or more sources, wherein~~ the user-specific schedule information includes a current activity of a user of the mobile apparatus;

~~combining the user's~~process the physical context information and the user-specific location ~~and the~~or schedule information ~~to derive user context information~~, including process the output signals of the orientation sensor to determine an orientation of the mobile apparatus; and

~~combining user defined preferences, if they exist, together with the derived user context information; and~~

~~the at least one processing module further capable of directing the mobile device to~~ modify ~~its~~ behavior of the mobile apparatus based on ~~the personalized~~ a result~~s specific to the user, the personalized results based on the combining of the derived user context information~~ of the determination, and ~~the user~~ defined preferences of the user ~~if they exist~~.

11. (Canceled).

12. (Currently amended) The ~~processing~~ mobile apparatus according to Claim 10 further comprising a light sensor or an accelerometer, and wherein the at least one processing module, for gathering physical context information and determining physical context, is further ~~capable of gathering at least one of~~ configured to receive output signals from the light sensor ~~information, tactile information, ambient noise information,~~ or from the accelerometer ~~information and orientation information~~, and process the output signals from the light sensor to determine whether the mobile apparatus is in a closed space, or from the accelerometer to determine whether the mobile apparatus is in motion.

13. (Currently amended) The ~~processing~~ mobile apparatus according to Claim 10 wherein the at least one processing module, for gathering user-specific location information, is further ~~capable of gathering~~configured to gather at least one of ~~a user calendar information, a user location,~~ a time of day and a date.

14. (Currently amended) The ~~processing~~ mobile apparatus according to Claim 10 further comprising ~~at least one of~~:

~~a light sensor;~~

a tactile sensor;

~~an ambient noise microphone;~~

~~an accelerometer; and~~

~~an orientation sensor~~wherein the at least one processing module, for gathering physical context information and determining physical context, is further configured to determine whether the mobile apparatus is in contact with another object or surface.

15. (Canceled)

16. (Currently amended) The ~~processing~~ mobile apparatus according to Claim 10 wherein the at least one processing module comprises a preprocessing module configured to perform the gathering of physical context information, and user-specific location or schedule information, and a context processing module configured to perform the processing of physical context information, and user-specific location or schedule information, and the determination.

17. (Currently amended) A non-transitory machine-accessible medium having stored thereon instructions that, when executed by mobile device~~a machine~~, cause the ~~machine~~ mobile device to ~~enable personalized user-context-aware notification on the machine by~~perform a number of operations, including:

gathering ~~a user's~~ physical context information of the mobile device from one or more sources, including receipt of output signals from an orientation sensor~~wherein the user's physical context information includes current environment information for the user~~;

gathering user-specific location or schedule information from one or more sources, wherein the user-specific location information includes at least a current location of the mobile device, ~~a user;~~

~~gathering~~ and ~~schedule information from one or more sources, wherein~~ the user-specific schedule information includes a current activity of a user of the mobile device;

~~combining~~ processing the ~~user's~~ physical context information and the user-specific location ~~and the~~ or schedule information, wherein processing the physical context information includes processing the output signals from the orientation sensor to determine an orientation of the mobile device ~~to derive user context information~~; and

~~combining user defined preferences if they exist, together with the derived user-context information; and~~

~~directing the mobile device to~~ modify ~~its~~ behavior of the mobile device based at least in part on ~~the personalized~~ a result~~s for the specific user, the personalized results based on the combining of the derived user context information~~ of the determination, and ~~the user~~ defined preferences of the user~~, if they exist~~.

18. (Currently amended) The machine-accessible medium according to Claim 17 wherein ~~the instructions, when executed by the machine, further cause the machine to direct the mobile device to perform~~ modifying behavior comprises at least one of disabling the mobile device from rendering notification, lowering ~~the~~ audio output volume of the mobile device, ~~notification and~~ raising ~~the~~ audio output volume of the mobile device, ~~notification~~ entering the mobile device into a silent mode to disable audio output, entering the mobile device into a vibrate-only mode to restrict the mobile device to tactile output only, emitting a beep from the mobile device to provide an audio output, causing a display screen on the mobile device to flash to provide a visual output, or causing a light emitting diode on the mobile device to blink to provide a visual output.

19. (Canceled)

20. (Currently amended) The machine-accessible medium according to Claim [[19]]18 wherein gathering physical context information ~~the instructions, when executed~~

~~by the machine, further cause the machine to gather at least one of~~ comprises receiving output signals from a light ~~information~~sensor of the mobile device, ~~tactile information, ambient noise information,~~ or receiving output signals from an accelerometer of the mobile device~~information and orientation information~~, and wherein processing the physical context information includes processing the output signals from the light sensor to determine whether the mobile device is in a closed space, or processing the output signals from the accelerometer to determine whether the mobile device is in motion.

21. (Currently amended) The machine-accessible medium according to Claim [[19]]18 wherein ~~the instructions, when executed by the machine, additionally cause the machine to~~ gathering, user-specific location information includes gathering at least one of a time of day and a date.

22. (Currently amended) The machine-accessible medium according to Claim [[19]]18 wherein gathering physical context information ~~the instructions, when executed by the machine, further cause the machine to gather the user's physical context information from at least one of a light sensor,~~ comprises receiving output signals from a tactile sensor of the mobile device, and wherein processing the physical context information includes processing the output signals from the tactile sensor to determine whether the mobile device is in contact with another object or surface~~an ambient noise microphone, an accelerometer and an orientation sensor~~.

23. (Currently amended) The machine-accessible medium according to Claim [[19]]18 wherein gathering user-specific schedule information ~~the instructions, when executed by the machine, further cause the machine to~~ comprises gathering ~~the~~ user-specific schedule information from ~~at least one of~~ a user calendar program ~~and the mobile device~~.

24. (Canceled)